

WEAR
CONTAMINATION
FLUID CONDITION

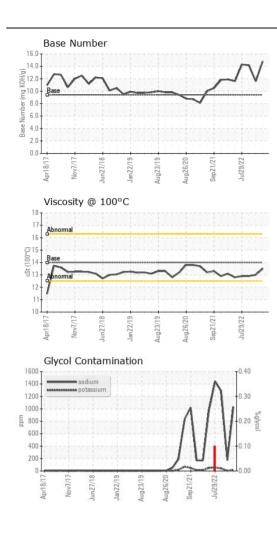
NORMAL NORMAL ABNORMAL

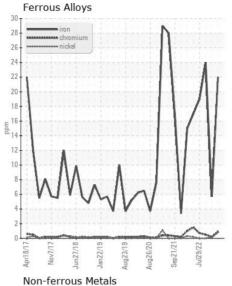


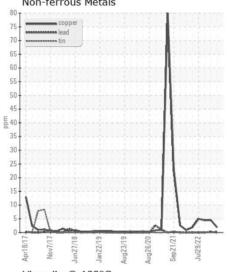
## OKLAHOMA/1053/EG - LOADER Machine Id 45.39L [OKLAHOMA^1053^EG - LOADER]

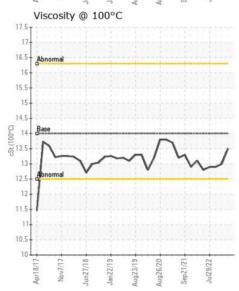
Component Diesel Engine

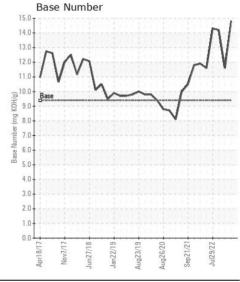
MOBIL DELVAC 1300 SUPER1	5W40 ( G <i>A</i>	AL)					
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
TEOOMMENDATION	Sample Number	OOM	Client Info	LITTIO TOTT	WC0738476	WC0741165	WC0746205
We advise that you check for the source of the coolant leak. Check for	Sample Date		Client Info		19 Dec 2022	03 Nov 2022	10 Oct 2022
low coolant level. Oil and filter change at the time of sampling has been	Machine Age	hrs	Client Info		11823	11559	11241
noted. We recommend an early resample to monitor this condition.	Oil Age	hrs	Client Info		237	318	233
	Filter Age	hrs	Client Info		237	318	233
	Oil Changed		Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		Changed	Not Changd	Changed
	Sample Status				ABNORMAL	ATTENTION	ABNORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	22	6	24
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>2	<1	<1	0
	Titanium	ppm	ASTM D5185m	>2	0	0	0
	Silver	ppm	ASTM D5185m	>2	0	0	<1
	Aluminum	ppm	ASTM D5185m	>25	8	1	8
	Lead	ppm	ASTM D5185m	>40	0	<1	0
	Copper	ppm	ASTM D5185m	>330	2	4	4
	Tin	ppm	ASTM D5185m	>15	<1	0	<1
	Vanadium	ppm	ASTM D5185m		0	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	6	4	6
	Potassium	ppm	ASTM D5185m	>20	19	3	<b>△</b> 39
Sodium and/or potassium levels are high.	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol	%	*ASTM D2982		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	1.6	0.2	1.2
	Nitration	Abs/cm	*ASTM D7624	>20	11	6.4	11.5
	Sulfation	Abs/.1mm	*ASTM D7415	>30	25.5	23.8	26.0
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<b>1031</b>	<b>175</b>	<u> </u>
The DNI was all the disease wheat the control of the black in the control of the	Boron	ppm	ASTM D5185m	0	38	60	27
The BN result indicates that there is suitable alkalinity remaining in the oil.	Barium	ppm	ASTM D5185m	0	0	0	0
OII.	Molybdenum	ppm	ASTM D5185m	0	204	63	238
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m	0	499	493	441
	Calcium	ppm	ASTM D5185m		1623	1617	1591
	Phosphorus	ppm	ASTM D5185m		752	712	710
	Zinc	ppm	ASTM D5185m		910	885	862
	Sulfur	ppm	ASTM D5185m		2853	2715	2887
	Oxidation	Abs/.1mm	*ASTM D7414		20.6	21	22.0
	Base Number (BN)				14.8	11.6	14.2
	Visc @ 100°C	cSt	ASTM D445	14	13.5	13.0	12.9















Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: 10271864

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : WC0738476 : 05727283

Diagnosed Diagnostician : Jonathan Hester

Test Package : CONST ( Additional Tests: Glycol, TBN ) To discuss this sample report, contact Customer Service at 1-800-237-1369.

: 29 Dec 2022

: 30 Dec 2022

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

SHERWOOD CONSTRUCTION CO INC

3219 WEST MAY ST WICHITA, KS US 67213 Contact: DOUG KING

doug.king@sherwood.net T: (316)617-3161

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: x: